

**ABSTRACT**

The present invention provides an improved nutrient supplement that increases the yield of mushrooms, especially *Agaricus bisporus*. The nutrient supplement consists of polysaccharides (especially cellulose) or polysaccharide-containing materials. The polysaccharides or polysaccharide-containing materials may be mixed with protein-containing and/or vegetable oil-containing materials and/or may be treated to increase the availability of the carbohydrate to the mushroom fungus.

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